WHAT IS CLAIMED IS:

1.	A	compod:	ition	of	matter	selecte	d f	rom	the	group
consisting	rc	of:	\							

- a) a substant ally pure or recombinant C23 polypeptide exhibiting identity over a length of at least 12 contiguous amino acids to SEQ ID NO: 2;
- b) a natural sequence C23 of SEQ ID NO: 2;
- c) a fusion protein comprising C23 sequence.

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- 2. A substantially pure or isolated polypeptide comprising a segment exhibiting sequence identity to a corresponding portion of a C23 of Claim 1; wherein:
 - a) said identity is over at least 15 contiguous amino acids;
 - b) said identity is over at least 19 contiguous amino acids; or
 - c) said identity is over at least 25 contiguous amino acids.

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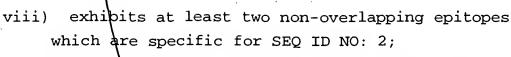
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- 3. The composition of matter of Claim 1, wherein said:
 - a) C23 comprises a mature sequence of Table 1;
 - b) polypeptide:
 - i) is from a warm blooded animal selected from a mammal, including a rodent or primate;
 - ii) comprises at least 27 contiguous amino acids of SEQ ID NO: 2;
 - iii) exhibits a plurality of said lengths exhibiting said identity;
 - iv) is a natural allelic variant of SEQ ID NO: 2;
 - v) has a length at least about 30 amino acids;
 - vi) exhibits at least two non-overlapping epitopes which are specific for a mammalian C23;
 - vii) exhibits a sequence identity over at least 33 amino acids to SEQ ID NO: 2;



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- ix) exhibits sequence identity over a length of at least about 20 amino acids to SEQ ID NO: 2;
- x) is not glycosylated;
- xi) has a molecular weight of at least 3 kD;
- xii) is a synthetic polypeptide;
- xiii) is attached to a solid substrate;
- xiv) is conjugated to another chemical moiety;
- xv) is a 5-fold or less substitution from natural sequence; or
- xvi) is a deletion or insertion variant from a natural sequence.
- 15 4. A composition comprising:
 - a) a sterile C23 polypeptide of Claim 1,
 - b) said C23 polypeptide of Claim 1 and a carrier, wherein said carrier is:
 - i) an aqueous compound, including water, saline, and/or buffer; and/or
 - ii) formulated for oral, rectal, nasal, topical, or parenteral administration.
 - 5. The fusion protein of Claim /1, comprising:
- a) mature protein sequence of Table 1;
 - b) a detection or purification tag, including a FLAG, His6, or Ig sequence; or
 - c) sequence of another cytokine\or growth factor protein.
- 30 6. A kit comprising a polypolypeptide of Claim 1, and:
 - a) a compartment comprising said holypeptide; and/or
 - b) instructions for use or disposal of reagents in said kit.

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- 7. A binding compound comprising an antigen binding portion from an antibody, which specifically binds to a natural C23 polypeptide of Claim 1, wherein:
 - a) said polypeptide is a primate C23;
 - b) said binding dompound is an Fv, Fab, or Fab2 fragment;
 - c) said binding compound is conjugated to another chemical moiety; or
 - d) said antibody:
 - i) is raised against a peptide sequence of a mature polypeptide of Table 1;
 - ii) is raised against a mature C23;
 - iii) is raised to a purified C23;
 - iv) is immunoselected;
 - v) is a polyclonal antibody;
 - vi) binds to a dematured C23;
 - vii) exhibits a Kd to antigen of at least 30 μM;
 - viii) his attached to a solid substrate, including a bead or plastic membrane;
 - ix) is in a sterile\composition; or
 - x) is detectably labeled, including a radioactive or fluorescent label.
- 8. A kit comprising said binding compound of Claim 7, and:
 - a) a compartment comprising said binding compound; and/or
 - b) instructions for use or disposal of reagents in said kit.
- 9. A method of:
- A) making an antibody of Claim 7, comprising immunizing an immune system with an immunogenic amount of a primate C23 polypeptide thereby causing said antibody to be produced; or
- B) producing an antigen:antibody complex, comprising

 contacting a primate C23 polypeptide with an antibody

 of Claim 7 thereby allowing said complex to form.

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	10.	A composition comprising:
	a)	a sterile binding compound of Claim 7, or
	b)	said binding compound of Claim 7 and a carrier, wherein
5		said carrier is:
		i) an aqueous compound, including water, saline,
		and/or buffer; and/or
		ii) formulated for oral, rectal, nasal, topical, or
		parenteral administration.
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	11.	An isolated of recombinant nucleic acid encoding a
	polypept	ide or fusion protein of Claim 1, wherein:
	a)	said C family protein is from a primate; or
	b)	said nucleic acid:
15		i) encodes an antigenic peptide sequence of Table 1;
		ii) encodes a plurality of antigenic peptide
		sequences of Table 1;
		iii) exhibits at \least about 80% identity to a
		natural cDNA encoding said segment;
20		iv) is an expression vector;
		v) further comprises an origin of replication;
		vi) is from a natural source;
		vii) comprises a detectable label;
		viii) comprises synthetic nucleotide sequence;
25		ix) is less than 6/kb, preferably less than 3 kb;
		x) is from a mammal, including a primate;
		xi) comprises a natural full length coding sequence;
		xii) is a hybridization probe for a gene encoding
		said C family protein; or
30		xiii) is a PCR primer, PCR product, or mutagenesis
		primer.
	12.	A cell or tissue comprising a recombinant nucleic acid
	of Claim	11.

The cell of Claim 12, wherein said cell is:

- a) a prokaryotic cell;
- b) a eukaryotic cell;
- c) a bacterial cell;
- d) a yeast cell;
- e) an insect cell;
- f) a mammalian cell;
- g) a mouse cell;
- h) a primate cell; or
- i) a human cell.

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- 14. A kit comprising said nucleic acid of Claim 11, and:
 - a) a compartment comprising said nucleic acid;
 - b) a compartment further comprising a C23 polypeptide; and/or
- 15 c) instructions for use or disposal of reagents in said kit.
 - 15. A method of:
 - A) making a polypeptide, comprising expressing said nucleic acid of Claim 11, thereby producing said polypeptide; or
 - B) making a duplex nucleic acid, comprising contacting said nucleic acid of Claim 11 with a hybridizing nucleic acid, thereby allowing said duplex to form.

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- 16. A nucleic acid which:
 - a) hybridizes under wash conditions of 30° C and less than 2M salt to SEQ ID NO: 1; or
- b) exhibits at least about 85% identity over a stretch of at least about 30 nucleotides to a primate C23.
- 17. The nucleic acid of Chaim 16, wherein:
 - a) said wash conditions are:
 - i) at 45° C and/or 500 mM salt; or
- 35 ii) at 55° C and/or 150 mM salt; or
 - b) said identity is:

- i) at least 90% and/or said stretch is at least 55 nucleotides; or
 - ii) at least 95% and/or said stretch is at least 75 nucleotides.

18. A method of modulating physiology or development of a cell or tissue culture cells comprising contacting said cell

with an agonist or antagonist of a C23.

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